<u>**APPENDIX A**</u>
<u>**ACRONYM LIST**</u>

TERM	DESCRIPTION
ACE	Attitude Control Electronics
ACK	Acknowledgment
ACS	Attitude Control System
AGC	Automatic Gain Control
ASCII	American Standard Code for Informational Interchange
AGO	Santiago (Chile)
AOS	Advanced Orbiting System/Acquisition of Signal
APID	Application Process ID
APS	Antenna Pointing System
ARC	Active Radar Calibrator
ASAP	As soon as possible
ASIC	Application Specific Integrated Circuit
ATS	Absolute Time Sequences
ATSC	AlliedSignal Technical Services Corporation
BAPTA	Bearing and Power Transfer Assembly
BC	Bus Controller
BPROM	Bootstrap Programmable Read Only Memory
bps	Bits per second
C	Centigrade
C&DH	Command and Data Handling
CADU	Channel Access Data Unit
CCD	Charged Coupled Device
CCL	Closed Circuit Loop
CCSDS	Consultative Committee for Space Data Systems
CCT	Computer Compatible Tape
CCTV	Closed Circuit Television
CDA	Critical Design Audit
CERES	Clouds and the Earth's Radiant Energy System
CFO	Center Frequency Offset
CFS	Conflict Free Schedule
CGT	COMETS Ground terminal
CLCW	Command Link Control Word

CLTU	Command Link Transmission Unit
CM	Configuration Management
CMD	Command
CNMOS	Combined Network Mission Operations Support
COMETS	Communications and Broadcasting Engineering Test Satellite
COMM	Communications
COP	Command Operation Procedure
COTS	Commercial Off-the-Shelf
CP	Command Panel
CRC	Cyclic Redundancy Check
CRT	Cathode Ray Tube
CSC	Communication Services Controller
CSC	Computer Science Corporation
CSM	Command Signal Module
CSS	Coarse Sun Sensors
CTV	Compatibility Test Van
CVCDU	Coded Virtual Channel Data Unit
DAAC	Distributed Active Archive Center
DAP	Daily Activity Plan
dB	Decibel
DB	Data Base
DCF	Data Capture Facility
DCM	Divisible-bus Control Module
DDF	Data Distribution Facility
DDPS	Digital Data Processing System
DEP	Deployables
DFCD	Data Format Control Document
DG	Data Group
DMR	Detailed Mission Requirements
DOY	Day of Year
DS	Data Storage
DSM	Data Systems Manager
DSN	Deep Space Network
DSS	Deep Space Station/Digital Sun Sensor

DSS -16	Goldstone, California, 26-meter DSN station
DSS-17	Goldstone, California, 9-meter DSN station
DSS-46	Canberra, Australia, 26-meter DSN station
DSS-66	Madrid, Spain, 26-meter DSN station
EEPROM	Electronically Erasable Programmable Read Only Memory
EFK	Extended Kalman Filter
ELV	Expendable Launch Vehicle
ENG	Engineering
EOC	Earth Observation Center
EOL	End-of-life
EOS	Earth Observing System
EOSDIS	Earth Observing System Data Information System
EPV	Extended Precision Vector
EQ	Equal
ERBE	Earth Radiation Budget Experiment
ESA	Earth Sensor Assembly
ETE	End-to-End
ETS	Engineering Test Satellite
ETU	Engineering Test Unit
EU	Engineering Unit
EVD	Engine/Valve Drive
FARM-B	Frame Acceptance and Reporting Mechanism-Bypass Mode
FAX	Facsimile
FDC	Failure Detection and Correction
FDF	Flight Dynamics Facility
FDS	Flight Data System
FEP	Front End Processor
FOD	Flight Operations Department
FOP	Flight Operations Plan
FOP	Frame Operations Procedure
FOR	Flight Operations Review
FOT	Flight Operations Team
FOV	Field of View
FRD	Functional Requirements Document

FRR	Flight Readiness Review
FSSB	Flight Software Systems Branch
GBRS	Generic Block Recording System
GCI	geocentric inertial
GCMR	Ground Configuration Message Request
GDS	Ground Data System
GenSAA	Generic Spacecraft Analyst Assistant
GFE	Government Furnished Equipment
GMT	Greenwich Mean Time
GN	Ground Network
GRI	Ground Reference Image
GS	Gimbal System
GSACE	Gimbal and Solar Array Control Electronics
GSFC	Goddard Space Flight Center
GSOC	Guide Star Prediction and Occultation
GSPM	Ground System Project Manager
GSTDN	Ground Station
GT	Greater than
GTAS	Generic Trend Analysis System
GVS	Ground Validation Sites
HDS	Hybrid Dynamic Simulator
HEX	Hexadecimal
HGA	High Gain Antenna
HGADS	High Gain Antenna Deployment System
HGAD/PS	High Gain Antenna Deployment and Pointing System
HGAS	High Gain Antenna System
H/K	Housekeeping
HPSM	High Power Switching Module
HUD	Heads Up Display
Hz	Hertz
I&T	Integration and Test
ICD	Interface Control Document
IIRV	Improved InterRange Vector
I/O	Input/Output

IOMS	Instrument Operations Monitoring System
IPD	Information Processing Division
IPSDU	Instrument Power Switching and Distribution Unit
IR	Integrated Receiver
IRU	Inertial Reference Unit
ISP	Instrument Support Platform
JPL	Jet Propulsion Laboratory
Kbps	Kilobits per second
KHz	kilohertz
km	Kilometer
L	Launch
L&IOC	Launch and In Orbit Checkout
LBS	Lower Bus Structure
LaRC	Langley Research Center
LGA	Low Gain Antenna
LHCP	Left Hand Circular Polarization
LIS	Lightning Imaging Sensor
LISP	Lower Instrument Support Platform
LNA	Low Noise Amplifier
LOF	Local Oscillator Frequency
LOS	Loss of Signal
LOX/LH$_2$	Liquid Oxygen/Liquid Hydrogen
LSR	Launch Support Room
LT	Less than
LTS	Local TPOCC Switch
LZP	Level-0 Processing
MA	Multiple Access
MAC	Macintosh
MAM	Mirror Antenuator Mosaic
MAR	Mission Analysis Room
Mbps	Megabits per second
MD	Mission Director
MECO	Main Engine Cutoff
MET	Mission Elapsed Time

MHz	MegaHertz
MIL	Merritt Island
MLI	Multilayered Insulation
mm	Millimeter/Minutes
MMA	Mission Management Area
MMM	Minimum, Maximum, and Mean
MO&DSD	Mission Operations and Data Systems Directorate
MOC	Mission Operations Center
MOD	Mission Operations Division
MOPSS	Mission Operations Planning and Scheduling System
MOR	Mission Operations Room
MOU	Memorandum of Understanding
M_PDU	Multiplexed Protocol Data Units
MRM	Mission Readiness Manager
MRT	Mission Readiness Testing
MSFC	Marshall Space Flight Center
MTA	Magnetic Torquer Assembly
MTB	Magnetic Torquer Bar
NACK	Negative Acknowledgment
NASA	National Aeronautics and Space Administration
Nascom	NASA Communications Network
NASDA	National Space Development Agency (Japan)
NCC	Network Control Center
NCCDS	Network Control Center Data System
NEB	Non-Essential Bus
N-M	Newton-Meter
N-M-S	Newton-Meter-Seconds
NOAA	National Oceanic and Atmospheric Administration
NRZ	Non-Return to Zero
NRZ-L	Non-Return to Zero - Level
OBC	On-Board Computer
ODB	Operational Data Base
ODM	Operational Data Message
ORR	Operations Readiness Review

OSSA	Office of Space Science and Applications
OST	OBC Support Terminal
PA	Power Amplifier
Pacor	Packet Processor
P/B	Playback
PBIU	Power Bus Interface Unit
PCM	Propellant Control Module
PDB	Project Data Base
PDF	Programmable Data Formatter
PDM	Power Distribution Module
PE	Prototype Event
PICS	Pacor Information Control System
PIM	Pyrotechnic Initiation Module
PM	Phase Modulation
PN	Pseudo-Random Noise
POCC	Payload Operations Control Center
PR	Precipitation Radar
PROM	Programmable Read Only Memory
PRT	Platinum Resistance Thermometers
PSAT	Predicted Site Acquisition Tables
PSCU	Power Signal and Control Unit
PSDU	Power Switching and Distribution Unit
PSE	Power Subsystem Electronics
PSIB	Power System Interface Box
PSIU	Power Source Interface Unit
PSM	Power Switching Module
PWR	Power Subsystem
Q/L	Quick-Look
QPSK	Quadrature Phase Shift Key
RAM	Random Access Memory
RAR	Routine Analysis Request
RCS	Reaction Control Subsystem
RDL	Record Definition Language
RDD	Range Data Delay

REC	Receiver
REMs	Rocket Engine Modules
RF	Radio Frequency
RFSOC	Radio Frequency Simulation Operations Center
RH	Red High (limits)
RHCP	Right Hand Circular Polarization
RL	Red Low (limits)
RNG	Ranging
ROPT	Real-time Operations and Planning Terminal
R&RR	Range and Range Rate
R-S	Reed-Solomon
RT	Remote Terminal
R/T	Real-Time
RTADS	Real-Time Attitude Determination System
RTEP	Real-Time Event Processor
RTS	Relative time-tagged sequences / Remote tracking site
RWA	Reaction Wheel Assembly
S/C	Spacecraft
SA	Solar array / Single access
SAA	South Atlantic Anomaly
SAR	Schedule Add Requests
SADA	Solar Array Drive Assemblies
SADDS	Solar Array Deployment and Drive System
SB	Software Bus
SCAMA	Switching, Conferencing and Monitoring Arrangement
SCF	Science Computing Facility
SCID	Spacecraft ID
SCDP	System Control Data Processing
SCP	Stored Command Processor
SDOC	Science Data Operations Center
SDPF	Sensor Data Processing Facility
SDR	Schedule Delete Requests
SDS	Spacecraft Data System
SECO	Second Stage Engine Cutoff

SEU	Single Event Upset
SFA	Satellite and Fairing Assembly building
SLP	Solar, Lunar, Planetary
SM	Software Manager
SN	Space Network
SNIP	Space Network Interoperability Panel
SOC	Simulations Operations Center
SOCC	Science Operations Control Center
SOT	Science Operations Team
SPE	Static Phase Error
SPM	Signal Processing Module
SPRU	Standard Power Regulator Unit
SPSDU	Spacecraft Power Switching and Distribution Unit
SPU	Signal Processing Unit
SQPN	Staggered Quadrative Pseudo-random Noise
SR	Schedule Requests
SRB	Solid Rocket Booster
SRD	Systems Requirement Document
SS	Seconds
SSA	S-band single access
SSM	Software Systems Manager
SSR	Solid State Recorder
STA	Spacecraft Testing and Assembly building
STDN	Space Tracking Data Network
STGT	Second TDRS Ground Terminal
STOL	Systems Test and Operations Language
STTF	Software Test and Training Facility
SW	Switch
S/W	Software
SWICS	Short Wave Internal Calibration Source
TAM	Three-Axis Magnetometer
TBD	To be determined
TBS	To be supplied
TCP/IP	Transmission Control Protocol/Internet Protocol

TCXO	Temperature Compensated Crystal Oscillator
TDE	Tracking and Data Relay Satellite East
TDM	Tracking Data Message/Time Division Multiplexed
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TDW	Tracking and Data Relay Satellite West
THM	Thermal Subsystem
TKSC	Tsukuba Space Center
TLM	Telemetry
TMI	TRMM Microwave Imager
TMM	Thermistor Monitoring Module
TNA	TDRS Network Analyst
TNC	TDRS Network Controller
TNIF	TPOCC/Nascom Interface
TnSC	Tanegashima Space Center
TOA	Top of the Atmosphere
TOSA	TPOCC Orbit Signature Analyzer
TOT	Table of Tables
TPOCC	Transportable Payload Operations Control Center
TRANS	Transmitter
TRK	Tracking
TRMM	Tropical Rainfall Measuring Mission
TSDIS	TRMM Science Data and Information System
TSM	Telemetry & Statistics Monitor
TSTOL	TPOCC Systems Test and Operations Language
TT&C	Telemetry, Tracking and Command
TTS	Test and Training Simulator
UAV	User Antenna View
UISP	Upper Instrument Support Platform
UPD	User Performance Data
UPS	User Planning System
U.S.	United States
USCCS	User Spacecraft Clock Calibration System
USMs	User Schedule Messages

UTC	Universal Time Coordinated
V	Volts
VC	Virtual Channel
VCDU	Virtual Channel Data Unit
VCID	Virtual Channel ID
VIRS	Visible and Infrared Scanner
VIS/IR	Visible/Infrared
VR	Virtual Recorder
VRID	Virtual Recorder ID
V/T	Voltage/Temperature
W	Watts
WFF	Wallops Flight Facility
W/S	Workstation
WSC	White Sands Complex
XMTR	Transmitter
XPNDR	Transponder
XTE	X-Ray Timing Explorer
YH	Yellow High (limits)
YL	Yellow Low (limits)
YLC	Yoshinobu Launch Complex
YYYY	Year